CONTENTS OF VOLUME 14

Volume 14 Number 1

Research Papers

P. Di Francesco, F. Pica, S. Marini, C. Favalli and E. Garaci — 1 — Thymosin alpha one restores murine T-cell-mediated responses inhibited by *in vivo* cocaine administration

H. Miyazaki, Y. Yoshikai, M. Tanaka, Y. Takeda, S. Takeo and K. Nomoto — 11 — Protective effect of SPR-901 (RBS) on the decrease of peripheral leukocyte number in 5-fluorouracil-treated mice

K. A. Golemboski, S. E. Bloom and R. R. Dietert — 19 — Assessment of neonatal avian inflammatory macrophage function following embryonic cyclophosphamide exposure

D. E. Frazier Jr, R. M. Bauer, M. J. Tarr and R. G. Olsen — 27 — Effect of 1,1-dimethylhydrazine (UDMH) on *Corynebacterium parvum*-associated immunosuppression in mice

G. Krause, L. Martin, M. Fritzler and D. A. Hart — 35 — Influence of *Corynebacterium parvum*-PER on disease progression in the NZB/W model of systemic lupus erythematosus

S. Arinaga, N. Karimine, K. Takamuku, S. Nanbara, M. Nagamatsu, H. Ueo and T. Akiyoshi — 43 — Enhanced production of interleukin 1 and tumor necrosis factor by peripheral monocytes after lentinan administration in patients with gastric carcinoma

Y. D. Luo, M. K. Patel, M. D. Wiederhold and D. W. Ou — 49 — Effects of cannabinoids and cocaine on the mitogen-induced transformations of lymphocytes of human and mouse origins

M. Muzzioli, E. Mocchegiani, N. Bressani, P. Bevilacqua and N. Fabris — 57 — *In vitro* restoration by thymulin of NK activity of cells from old mice

G. K. Shen, C. F. Zukoski and D. W. Montgomery — 63 — A specific binding site in Nb2 node lymphoma cells mediates the effects of didemnin B, an immunosuppressive cyclic peptide

T. Tsunoda, H. Tanimura, H. Yamaue, M. Iwahashi, M. Tani, M. Tamai, K. Arii and K. Noguchi — 75 — *In vitro* augmentation of the cytotoxic activity of peripheral blood mononuclear cells and tumor-infiltrating lymphocytes by famotidine in cancer patients

A. S. Al-Tuwaijri and A. A. Mustafa — 83 — Verapamil enhances the inhibitory effect of diclofenac on the chemiluminescence of human polymorphonuclear leukocytes and carrageenan-induced rat's paw oedema

J. Bell, M. W. Adler and J. I. Greenstein — 93 — The effect of arginine vasopressin on the autologous mixed lymphocyte reaction

Volume 14, Number 1 *(Cont'd)*

Y. Kikuchi, T. Kita, J. Hirata, E. Kuki, I. Nagata and M. Fukushima — 105 — Modulation of human lymphocyte response to phytohemagglutinin by antineoplastic prostaglandins

An Invitation to Join the International Society for Immunopharmacology — i

General Information and Instructions to Authors — iii

Volume 14 Number 2

Research Papers

K. S. Campbell, B. A. Fuchs and A. E. Munson — 111 — The T-lymphocyte is the primary cellular target for potentiation of the *in vitro* T-dependent IgM antibody response by the B subunit of cholera toxin

E. Corsini, W. A. Craig and G. J. Rosenthal — 121 — Modulation of tumor necrosis factor release from alveolar macrophages treated with pentamidine isethionate

B. Somlyo, E. Csanky, X. M. Shi, Y. L. Zhang, E. Kovats, E. Bona-Liptak, A. M. Nowotny, D. Tripodi and A. Nowotny — 131 — Molecular requirements of endotoxin (ET) actions: changes in the immune adjuvant, TNF liberating and toxic properties of endotoxin during alkaline hydrolysis

W. Goettsch, Y. Hatori and R. P. Sharma — 143 — Adjuvant activity of all-*trans*-retinoic acid in C57Bl/6 mice

Z. A. Shaker, H. I. Hassanein, R. R. Hamed, S. S. Botros, F. S. Mahmoud, S. H. Mohamed, A. A. El Garem, N. De Jonge and A. M. Deelder — 151 — Detection of circulating anodic antigen before and after specific chemotherapy in experimental murine *Schistosomiasis mansoni*

I. M. Dozmorov, L. V. Bagaeva, I. I. Kuzin, A. M. Sapozhnikov, E. V. Svirshchevskaya, T. M. Andronova and R. V. Petrov — 159 — Muramyl dipeptide-induced changes in murine splenocyte responses to concanavalin A

J. S. Gilbody, M. J. Wheeler, R. Wolstencroft and B. D. Greenstein — 167 — Dose-related effects of oestradiol on rat thymic and splenic T-lymphocyte responsiveness to mitogens

E. K. Gallin, S. W. Green and M. L. Patchen — 173 — Comparative effects of particulate and soluble glucan on macrophages of C3H/HeN and C3H/HeJ mice

H. Blomgren — 185 — Ru 41.740 triggers human mononuclear blood cells to release tumor growth inhibitory factors *in vitro*

R. Louis, Th. Bury, J. L. Corhay and M. Radermecker — 191 — LY 186655, a phosphodiesterase inhibitor, inhibits histamine release from human basophils, lung and skin fragments

X. L. Jiang, D. L. Dillehay, M. P. Everson, A. B. Tilden and E. W. Lamon — 195 — Potentiation of IL-2-induced T-cell proliferation by retinoids

A. Kinoshita, I. Suzuki, T. Sakurai and T. Yadomae — 205 — Oral administration of a streptococcal agent OK-432 activates alveolar macrophages in mice

W. Vormittag, C. Ensinger, L. Lesnjakovic and V. Scheiber — 213 — Age-related influence of piracetam on mitotic index and number of silver-stained nucleolus organizer regions

T. Shimizu, Y. Ohtsuka, Y. Yanagihara, S. Akamatsu, K. Ikeda and K. Achiwa — 221 — Biological activity of chemically synthesized core sugar linked lipid A analog, heptose-(α1→5)-2-keto-3-deoxyoctonic acid-(α2→6)-2,3-diacyl-oxyacylglucosamine-4-phosphate

M.-P. Chang, S. C. Castle and D. C. Norman — 227 — Mechanism of immunosuppressive effect of alprazolam: alprazolam suppresses T-cell proliferation by selectively inhibiting the production of IL2 but not acquisition of IL2 receptor

F. Riganti, M. Sironi, M. Kankova, M. D'Incalci, F. Spreafico, A. Mantovani and A. Vecchi — 239 — The unique interaction with immunity of FCE 24517, an antitumor drug with a novel mode of action

Jie-Liu Tang, G. Lancz, S. Specter and H. Bullock — 253 — Marijuana and immunity: tetrahydrocannabinol-mediated inhibition of growth and phagocytic activity of the murine macrophage cell line, P388D1

Short Communications

D. Catanzano-Troutaud, D. Ardail and P. A. Deschaux — 263 — Testosterone inhibits the immunostimulant effect of thymosin fraction 5 on secondary immune response in mice

A. Kashyap, V. N. Sehgal, A. Sahu and K. Saha — 269 — Anti-leprosy drugs inhibit the complement-mediated solubilization of pre-formed immune complexes *in vitro*

D. Struhar, S. Kivity and M. Topilsky — 275 — Quinacrine inhibits oxygen radicals release from human alveolar macrophages

Immunotoxicology

A. M. Soler-Rodriguez, J. W. Uhr, J. Richardson and E. S. Vitetta — 281 — The toxicity of chemically deglycosylated ricin A-chain in mice

I. Moosbrugger, P. Bischoff, J. P. Beck, B. Luu and J. Borg — 293 — Studies on the immunological effects of fatty alcohols—I. Effects of *n*-hexacosanol on murine macrophages in culture

C. M. K. Wong, F. Chiappelli, M.-P. Chang, D. C. Norman, E. L. Cooper, B. J. Branch and A. N. Taylor — 303 — Prenatal exposure to alcohol enhances thymocyte mitogenic responses postnatally

Corrigendum — 311

Announcement — 313

An Invitation to Join the International Society for Immunopharmacology — i

General Information and Instructions to Authors — iii

Volume 14 Number 3

PAPERS FROM THE 5th INTERNATIONAL CONFERENCE ON IMMUNOPHARMACOLOGY

Neuroendocrine–Immune Interactions

K. Mašek, P. Petrovický and J. Seifert — 317 — An introduction to the possible role of central nervous system structures in neuroendocrine–immune systems interaction

R. Ader and N. Cohen — 323 — Conditioned immunopharmacologic effects on cell-mediated immunity

D. L. Bellinger, D. Lorton, S. Y. Felten and D. L. Felten — 329 — Innervation of lymphoid organs and implications in development, aging, and autoimmunity

J. W. Hadden — 345 — Thymic endocrinology

N. R. S. Hall, M. P. O'Grady and R. A. Menzies — 353 — Thymic regulation of the hypothalamic–pituitary–gonadal axis

R. A. Good and E. Lorenz — 361 — Nutrition and cellular immunity

Immunopharmacology

H.-J. Schuurman, H. Van Loveren, J. Rozing and J. G. Vos — 369 — Chemicals trophic for the thymus: risk for immunodeficiency and autoimmunity

M. Pallardy, Z. Mishal, H. Lebrec and C. Bohuon 377 Immune modification due to chemical interference with transmembrane signalling: application to polycyclic aromatic hydrocarbons

J. E. Talmadge 383 Synergy in the toxicity of cytokines: preclinical studies

J. H. Dean, J. B. Cornacoff, T. A. Barbolt, K. A. Gossett and T. LaBrie 391 Pre-clinical toxicity of IL-4: a model for studying protein therapeutics

Cytokines and Receptors

M. J. Fenton 401 Review: transcriptional and post-transcriptional regulation of interleukin 1 gene expression

R. D. Schreiber, M. A. Farrar, G. K. Hershey and J. Fernandez-Luna 413 The structure and function of interferon-γ receptors

G. Frendl 421 Interleukin 3: from colony-stimulating factor to pluripotent immunoregulatory cytokine

T. Kishimoto, S. Akira and T. Taga 431 IL-6 receptor and mechanism of signal transduction

New Issues

H.-E. Claesson, B. Odlander and P.-J. Jakobsson 441 Leukotriene B_4 in the immune system

K.-I. Yamamura, T. Miyazaki, M. Uno and J.-I. Miyazaki 451 Transgenic mouse as a tool for the study of autoimmune disease: insulin-dependent diabetes mellitus

J. N. Weinstein and W. van Osdol 457 The macroscopic and microscopic pharmacology of monoclonal antibodies

R. J. Kreitman, D. FitzGerald and I. Pastan 465 Targeting growth factor receptors with fusion toxins

New Therapy Developments

R. C. Thompson, D. J. Dripps and S. P. Eisenberg 475 Interleukin-1 receptor antagonist (IL-1ra) as a probe and as a treatment for IL-1 mediated disease

W. K. P. Amery and J. P. J. M. Bruynseels 481 Levamisole, the story and the lessons

I. Azuma 487 Review: inducer of cytokines *in vivo*: overview of field and romurtide experience

A. J. Lewis, K. B. Glaser, R. J. Sturm, K. L. Molnar-Kimber and C. C. Bansbach	497	Strategies for the development of new antiarthritic agents
R. L. Bell, P. R. Young, D. Albert, C. Lanni, J. B. Summers, D. W. Brooks, P. Rubin and G. W. Carter	505	The discovery and development of zileuton: an orally active 5-lipoxygenase inhibitor
G. P. Talwar, Om Singh, R. Pal and N. Chatterjee	511	Vaccines for control of fertility and hormone dependent cancers
An Invitation to Join the International Society for Immunopharmacology	i	
General Information and Instructions to Authors	iii	

Volume 14 Number 4

Research Papers

J. B. Travers, Qian Li, H. Sprecher and R. H. Fertel	515	Binding of carbamyl-platelet-activating factor to the Raji lymphoblast platelet-activating factor receptor
F. Marceau, J. Grassi, Y. Frobert, C. Bergeron and P. E. Poubelle	525	Effects of experimental conditions on the production of interleukin-1α and -1β by human endothelial cells cultured *in vitro*
S. Arinaga, N. Karimine, K. Takamuku, S. Nanbara, H. Inoue, M. Nagamatsu, H. Ueo and T. Akiyoshi	535	Enhanced induction of lymphokine-activated killer activity after lentinan administration in patients with gastric carcinoma
B. D. Greenstein, E. F. de Bridges and F. T. A. Fitzpatrick	541	Aromatase inhibitors regenerate the thymus in aging male rats
J. W. Hadden, J. Ongradi, S. Specter, R. Nelson, M. Sosa, C. Monell, M. Strand, A. Giner-Sorolla and E. M. Hadden	555	Methyl inosine monophosphate: a potential immunotherapeutic for early human immunodeficiency virus (HIV) infection
P. Theisen-Popp, H. Pape and R. Müller-Peddinghaus	565	Interleukin-6 (IL-6) in adjuvant arthritis of rats and its pharmacological modulation
E. Kovats, B. Somlyo, E. Csanky, X. M. Shi, Y. L. Zhang, R. T. Coughlin and A. Nowotny	573	Potentiation of HIV envelope glycoprotein and other immunogens by endotoxin (ET) and its molecular fragments
O. J. Semmes, M. S. Sztein, J. M. Bailey and W. D. Merritt	583	Tunicamycin inhibits function and expression of the high-affinity IL-2-receptor in a murine IL-2-dependent cell line
H. H. Radeke, U. Christians, K.-F. Sewing and K. Resch	595	The synergistic immunosuppressive potential of cyclosporin metabolite combinations

R. Pacifici, S. Di Carlo, A. Bacosi, S. Pichini and P. Zuccaro — 605 Immunomodulating properties of carbamazepine in mice

B. Sredni, M. Albeck, G. Kazimirsky and F. Shalit — 613 The immunomodulator AS101 administered orally as a chemoprotective and radioprotective agent

T. Marotti, B. Ročić, J. Gabrilovac and H. Haberštok — 621 Interaction of Met-enkephalin and corticosteroids in immunomodulation

W. A. Banks and A. J. Kastin — 629 The interleukins-1α, -1β, and -2 do not acutely disrupt the murine blood–brain barrier

L. Grazioli, R. Alzani, M. Ciomei, M. Mariani, A. Restivo, E. Cozzi and F. Marcucci — 637 Inhibitory effect of suramin on receptor binding and cytotoxic activity of tumor necrosis factor α

L. Bongiorno, A. Urbani, M. Marini, E. Gilardi and L. G. Roda — 643 Hydrolysis and association of leucine enkephalin to lymphomic and erythroleukaemic cell lines—II

Short Communications

F. Campanile, A. Bartocci, L. Binaglia, M. C. Fioretti, E. R. Stanley and P. Puccetti — 655 Modulation of colony-stimulating activity by interleukin 1 in mice: opposing effects of combined treatment with indomethacin or prostaglandin E_2

T. Kasahara, Y. Wu, Y. Sakurai and K. Oguchi — 661 Suppressive effect of acupuncture on delayed type hypersensitivity to trinitrochlorobenzene and involvement of opiate receptors

T. N. Selezneva, K. S. Ternovoi and V. M. Yermecova — 667 Thymic serum activity inhibitors study

Immunotoxicology

N. Katsutani and H. Shionoya — 673 Drug-specific immune responses induced by procainamide, hydralazine and isoniazid in guinea-pigs

N. Katsutani and H. Shionoya — 681 Popliteal lymph node enlargement induced by procainamide

S. J. P. Gobin, R. F. Legg and A. J. Paine — 687 The role of lymphocyte production and migration in the lymphopenia caused by 2-acetyl-4-tetrahydroxybutyl imidazole

K. Lundberg, L. Dencker and K.-O. Grönvik — 699 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD) inhibits the activation of antigen-specific T-cells in mice

M.-P. Chang and D. C. Norman — 707 Mechanism of ethanol-mediated immunosuppression in mice: ethanol suppresses T-cell proliferation without affecting IL2 production and IL2 receptor expression

A. Sahu, K. Saha, A. Mukherjee and V. N. Sehgal — 721 — *In vivo* effects of anti-leprosy drugs on the rat peritoneal macrophages and lymphocyte subpopulations

H. Fujii, T. Takada, K. Nemoto, F. Abe, A. Fujii, J. E. Talmadge and T. Takeuchi — 731 — Deoxyspergualin, a novel immunosuppressant, markedly inhibits human mixed lymphocyte reaction and cytotoxic T-lymphocyte activity *in vitro*

An Invitation to Join the International Society for Immunopharmacology — i

General Information and Instructions to Authors — iii

Volume 14 Number 5

Research Papers

D. S. Chi, L. Gong, E. A. Daigneault and R. M. Kostrzewa — 739 — Effects of MPTP and vitamin E treatments on immune function in mice

D. Flipo, J. Bernier, D. Girard, K. Krzystyniak and M. Fournier — 747 — Combined effects of selected insecticides on humoral immune response in mice

N. Hornung, J. Raskova, K. Raska Jr and D. Degiannis — 753 — IL-2 responsiveness of lectin-induced lymphoblasts: soluble IL-2 receptor release and differential *in vitro* effects of immunosuppressants

J. Duchow, A. Marchant, J. P. Delville, L. Schandene and M. Goldman — 761 — Upregulation of adhesion molecules induced by Broncho-Vaxom on phagocytic cells

R. M. Lasarow, D. L. Williams and J. H. Theis — 767 — Humoral responses following immunization with *Leishmania infantum* (ex. Oklahoma): a comparison of adjuvant efficacy in the antibody responses of Balb-C mice

E. Kuramoto, N. Watanabe, D. Iwata, O. Yano, S. Shimada and T. Tokunaga — 773 — Changes of host cell infiltration into Meth A fibrosarcoma tumor during the course of regression induced by injections of a BCG nucleic acid fraction

Ø. Bruserud, W. Hamann, S. Patel and G. Pawelec — 783 — $CD4^+$ $TCR\alpha\beta^+$ T-cell clones derived shortly after allogeneic bone marrow transplantation: theophyllamine and verapamil inhibit proliferation of functionally heterogeneous T-cells

H. Friccius, H. Pohla, M. Adibzadeh, P. Siegels-Hübenthal, A. Schenk and G. Pawelec — 791 — The effects of the antifungal azoles itraconazole, fluconazole, ketoconazole and miconazole on cytokine gene expression in human lymphoid cells

J. L. Medzihradsky and J. G. Wilson	801	Potentiation by thiopurines and sulfhydryl-reactive agents of the inhibition by 3-deazaadenosine of mononuclear phagocytes
L. Jia, H. Hara, T. Okochi and S. Negoro	809	Regulation of β-endorphin receptor expression in mouse spleen cells with Con A and rIL-2
T. Sakurai, K. Hashimoto, I. Suzuki, N. Ohno, S. Oikawa, A. Masuda and T. Yadomae	821	Enhancement of murine alveolar macrophage functions by orally administered β-glucan
A. Urbani, L. Bongiorno, C. M. Ausiello, M. Marini and L. G. Roda	831	Role of hydrolysis in the association of leu-enkephalin to peripheral blood mononucleate cells
E. Chelmicka-Schorr, M. N. Kwasniewski and A. Czlonkowska	841	Sympathetic nervous system modulates macrophage function
J. P. Tarayre, M. Aliaga, M. Barbara, N. Tisseyre, S. Vieu and J. Tisne-Versailles	847	Model of bronchial allergic inflammation in the Brown Norway rat. Pharmacological modulation
T. Daemen, J. Regts, H. Morselt and G. L. Scherphof	857	The effect of liver macrophages on *in vitro* cytolytic activity of 5FU and FUDR on colon carcinoma cells: evidence of macrophage activation
M. Provinciali, G. Di Stefano and N. Fabris	865	Improvement in the proliferative capacity and natural killer cell activity of murine spleen lymphocytes by thyrotropin
S. In, A. D. Le Lann, F. Oksman, E. L. Fournié, J.-F. Labarre, H. Benoist and G. J. Fournié	871	An *in vivo* model for the experimental selection of drugs able to prevent immune complex glomerulonephritis
E. Ueta, K. Yoneda, T. Yamamoto and T. Osaki	877	Upregulatory effects of cefpimizole natrium on human leukocytes
B. N. Paul, A. K. Saxena and P. K. Ray	887	Modulation of IgM to IgG class switch by protein A
H. Rabesandratana, A.-M. Fournier, M.-T. Chateau, A. Serre and J. Dornand	895	Increased oxidative metabolism in PMA-activated lymphocytes: a flow cytometric study
S. Stošić-Grujičić and M. M. Simić	903	*In vitro* effects of retinoid RO 10-9359 on lectin-induced activation and proliferation of T-lymphocytes
R. Bianchi, M. C. Fioretti, U. Grohmann, L. Binaglia, L. Romani and P. Puccetti	915	Tumor-specific L3T4$^+$ and Lyt-2$^+$ lymphocytes in mice primed to mutagenized cell variants

Immunotoxicology

D. M. van Reyk, S. Sarel and N. H. Hunt — 925 — *In vitro* effects of three iron chelators on mitogen-activated lymphocytes: identification of differences in their mechanisms of action

M. J. Odean, A. G. Johnson, M. Mohrman, A. Hasegawa and M. Kiso — 933 — Immunosuppression induced by non-reducing acylated monosaccharide subunits of lipid A

K. Morikawa, F. Oseko and S. Morikawa — 941 — Inhibition of proliferation and differentiation of human B-lymphocytes by a biscoclaurine alkaloid

Announcement — 951

An Invitation to Join the International Society for Immunopharmacology — i

General Information and Instructions to Authors — iii

Volume 14 Number 6

Research Papers

B. A. 't Hart, J. G. R. Elferink and P. H. Nibbering — 953 — Effect of apocynin on the induction of ulcerative lesions in rat skin injected with tubercle bacteria

Si-Xun Yang, Han-Lin Gao, Shu-Sheng Xie, Wen Ren Zhang and Zhen-Zhou Long — 963 — Immunosuppression of triptolide and its effect on skin allograft survival

K. Irinoda, K. N. Masihi, G. Chihara, Y. Kaneko and T. Katori — 971 — Stimulation of microbicidal host defence mechanisms against aerosol influenza virus infection by lentinan

M. L. Sharma, A. Khajuria, A. Kaul and D. Chand — 979 — Immunopharmacological properties of azepino [2, 1-b] quinazolin-12(6H)-one-7, 8, 9, 10-tetrahydro (RLX)

P. Conti, R. C. Barbacane, M. R. Panara, M. Reale, F. C. Placido, S. Fridas, M. Bongrazio and R. A. Dempsey — 987 — Human recombinant interleukin-1 receptor antagonist (hrIL-1ra) enhances the stimulatory effect of interleukin-2 on natural killer cell activity against MOLT-4 target cells

M. Marini, A. Urbani, L. Bongiorno and L. G. Roda — 995 — Hydrolysis and association of leucine enkephalin to lymphomic and erythroleukaemic cell lines—III. Soluble enzymes

R. K. S. Dogra, K. Chandra, S. Chandra, S. Gupta, S. Khanna, S. N. Srivastava, L. J. Shukla, J. C. Katiyar and R. Shanker — 1003 — Host resistance assays as predictive models in styrene immunomodulation

M. Cools, F. Aerts and J. Van Wauwe	1011	Lack of immunosuppression by ketoconazole and itraconazole
S. H. Pross, Y. Nakano, R. Widen, S. McHugh, C. A. Newton, T. W. Klein and H. Friedman	1019	Differing effects of delta-9-tetrahydrocannabinol (THC) on murine spleen cell populations dependent upon stimulators
E. Cillari, S. Milano, R. Perego, G. Gromo, R. D'Agostino, F. Arcoleo and M. Dieli	1029	Modulation of IL-2, IFN-γ, TNF-α and IL-4 production in mice of different ages by thymopentin
V. Burkart, J. Zielasek, G. Kantwerk-Funke, T. Hibbe, E. Schwab and H. Kolb	1037	Low dose streptozotocin-induced diabetes in mice: reduced IL-2 production and modulation of streptozotocin-induced hyperglycemia by IL-2
M. Sironi, M. Gadina, M. Kankova, F. Riganti, A. Mantovani, M. Zandalasini and P. Ghezzi	1045	Differential sensitivity of *in vivo* TNF and IL-6 production to modulation by anti-inflammatory drugs in mice
J. Contrino, L. L. Kosuda, P. Marucha, D. L. Kreutzer and P. E. Bigazzi	1051	The *in vitro* effects of mercury on peritoneal leukocytes (PMN and macrophages) from inbred Brown Norway and Lewis rats
P. Foresta, V. Ruggiero, C. Albertoni, L. Pacello, B. Leoni and E. Arrigoni Martelli	1061	*In vitro* activation of murine peritoneal exudate cells (PEC) and peritoneal macrophages by ST 789
C. D'Onofrio, O. Franzese, A. Puglianiello, E. Peci, G. Lanzilli and E. Bonmassar	1069	Antiviral activity of individual versus combined treatments with interferon α, β and γ on early infection with HTLV-I *in vitro*
C. Lau, E. Wang, A. Ishaque, K. Jones, B. Wong, L. Kimsto and J. Conant	1081	Spermine dialdehyde, a novel *ex vivo* purging agent for both allogeneic and autologous bone marrow transplantations
Short Communication		
J. Toki, W. Miyazaki, M. Inaba, S. Saigo, T. Nishino, Y. Fukuba, R. A. Good and S. Ikehara	1093	Effects of K-76COOH (MX-1) on immune response: induction of suppressor T-cells by MX-1
Immunotoxicology		
E. J. de Waal, H.-J. Schuurman, C. Hendriksen, B. Elvers, A. Van Dijk and H. Van Loveren	1101	Effects of subcutaneous versus intravenous administration of cyclosporin A on rat thymic histology and pharmacokinetics
N. Higuet and D. Brohée	1107	Differential effect of dipyridamole upon thymidine incorporation and expression of surface activation antigens by *in vitro* stimulated lymphocytes

H. P. Hougen, P. Thygesen, H. B. Christensen, J. Rygaard, O. Svendsen and P. Juul — 1113 — Effect of immunosuppressive agents on the guanethidine-induced sympathectomy in athymic and euthymic rats

B. Watzl, G. Chen, P. Scuderi, S. Pirozhkov and R. R. Watson — 1125 — Cocaine-induced suppression of interferon-gamma secretion in leukocytes from young and old C57BL/6 mice

An Invitation to Join the International Society for Immunopharmacology — i

General Information and Instructions to Authors — iii

Volume 14 Number 7

Research Papers

M. L. S. Queiroz and P. W. Mullen — 1133 — Effects of sodium valproate on the immune response

A. Kapil and N. Moza — 1139 — Anticomplementary activity of boswellic acids—an inhibitor of C3-convertase of the classical complement pathway

A. M. Genaro, L. Sterin-Borda, G. Gorelik and E. Borda — 1145 — Prostanoids synthesis in lymphocyte subpopulations by adrenergic and cholinergic receptor stimulation

M. C. Lopez, Guan-Jie Chen, D. S. Huang, Yuejian Wang and R. R. Watson — 1153 — Modification of spleen cell subsets by chronic cocaine administration and murine retrovirus infection in normal and protein-malnourished mice

A. Calabresi, S. Perito, L. Romani and F. Bistoni — 1165 — Drug-induced modulation of IL-2 production in experimental murine trypanosomiasis

M. J. Rieder, E. Sisson, I. A. Bird and W. Y. Almawi — 1175 — Suppression of T-lymphocyte proliferation by sulphonamide hydroxylamines

Y. Kondo, Y. Imai, H. Hojo, Y. Hashimoto and S. Nozoe — 1181 — Selective inhibition of T-cell-dependent immune responses by *bis*benzylisoquinoline alkaloids *in vivo*

S. N. Upadhyay, S. Dhawan, S. Garg and G. P. Talwar — 1187 — Immunomodulatory effects of neem (*Azadirachta indica*) oil

M. Hisadome, T. Fukuda, M. Terasawa, T. Oe, H. Takahata, K. Goto, S. Tsuru and K. Nomoto — 1195 — Enhancement of host defense by Y-25510 (±)-3-[4-(2-dimethylamino-1-methylethoxy)phenyl]-1H-pyrazolo[3,4-b]pyridine-1-acetic acid, a novel synthetic compound. A comparison with recombinant human granulocyte colony-stimulating factor in 5-fluorouracil-treated mice

O. Hajoui, D. Flipo, S. Mansour, M. Fournier and K. Krzystyniak	1203	Immunotoxicity of subchronic versus chronic exposure to aldicarb in mice
K. Matsui, H. Friedman and T. W. Klein	1213	Cocaine augments proliferation of human peripheral blood T-lymphocytes activated with anti-CD3 antibody
J. P. Messina and D. A. Lawrence	1221	Effects of 2-mercaptoethanol and buthionine sulfoximine on cystine metabolism by and proliferation of mitogen-stimulated human and mouse lymphocytes
L. Matera, E. Ciccarelli, G. Muccioli, A. Cesano, S. Grottoli, E. Oberholtzer and F. Camanni	1235	Normal development of lymphokine activated killing (LAK) in peripheral blood lymphocytes from hyperprolactinemic patients
R. Sharon and D. Naor	1241	Experimental model of autoimmune hemolytic anemia induced in mice with levodopa by intraperitoneal injection or oral feeding
S.-I. Miura, H. Takimoto, Y. Yoshikai, Y. Kumazawa, A. Yamada and K. Nomoto	1249	Protective effect of ren-shen-yang-rong-tang (Ninjin-youei-to) in mice with drug-induced leukopenia against *Pseudomonas aeruginosa* infection
M. Sosa, A. R. Saha, Y. Wang, J. Coto, A. Giner-Sorolla, E. M. Hadden and J. W. Hadden	1259	Potentiation of immune responses in mice by a new inosine derivative—methyl inosine monophosphate (MIMP)
P. H. Naylor, K. K. Oates, M. C. Coss, M. R. Erdos, C. W. Naylor and A. L. Goldstein	1267	Identification of immunoreactive forms of thymosin α_1 in serum and supernatants by combining HPLC and RIA
Short Communications		
W. Barcellini, M. O. Borghi, C. Fain, N. Del Papa, P. Favini and P. L. Meroni	1279	*In vitro* and *ex vivo* effect of tiaprofenic acid on human peripheral blood mononuclear cells
G. A. Belokrylov, O. Ya. Popova, I. V. Molchanova, E. I. Sorochinskaya and V. V. Anokhina	1285	Peptides and their constituent amino acids influence the immune response and phagocytosis in different ways
Immunotoxicology		
C. M. Neumann, J. A. Oughton and N. I. Kerkvliet	1295	Anti-CD3-induced T-cell activation *in vivo*—I. Flow cytometric analysis of dose-responsive, time-dependent, and cyclosporin A-sensitive parameters of $CD4^+$ and $CD8^+$ cells from the draining lymph nodes of C57B1/6 mice
Announcements	1305	

An Invitation to Join the International Society for Immunopharmacology i

General Information and Instructions to Authors iii

Volume 14 Number 8

Research Papers

P. Lapeña, C. Isasi, L. Moltó, R. Martínez, J. Vaquero and M. Alvarez-Mon 1307 Interleukin 2 and interferon alpha modulation of the lymphocyte non-major histocompatibility-restricted lytic activity in glioblastoma patients

C. K. Wong, K. N. Leung, K. P. Fung, P. K. T. Pang and Y. M. Choy 1315 Mitogenic and tumor necrosis factor producing activities of *Pseudostellaria heterophylla*

S. Bacman, L. Sterin-Borda, G. Gorelik, L. Lustig, B. Denduchis and E. S. Borda 1321 Antilaminin IgG triggers the murine atria phosphoinositide hydrolysis through muscarinic receptor stimulation

C. K. Osterland, E. A. St Louis, A. J. Antakly and J. M. Esdaile 1329 Steroid interactions affecting metabolic activities of a T-lymphocyte line

P. L. Black, D. Hartmann, R. Pennington, H. Phillips, M. Schneider, H. R. Tribble and J. E. Talmadge 1341 Effect of tumor burden and route of administration on the immunotherapeutic properties of polyinosinic–polycytidylic acid stabilized with poly-L-lysine in carboxymethyl cellulose [Poly-(I,C)–LC]

G. Davidkova, P. Popova, G. Guencheva, A. Bogdanov, E. Pacelli, A. Auteri and V. Mincheva 1355 Endogenous production of tumor necrosis factor in normal mice orally treated with Deodan—a preparation from *Lactobacillus bulgaricus* "LB51"

G. Abel and J. K. Czop 1363 Stimulation of human monocyte β-glucan receptors by glucan particles induces production of TNF-α and IL-1β

B. L. Pope, E. Chourmouzis, J. Sigindere, R. J. Capetola and C. Y. Lau 1375 *In vivo* enhancement of murine natural killer cell activity by 7-allyl-8-oxoguanosine (loxoribine)

A. C. Issekutz and N. Lopes 1383 Effect of Ebselen on polymorphonuclear leukocyte adhesion to and migration through cytokine-activated vascular endothelium

T. Yoshikawa, H. Takano, Y. Naito, H. Oyamada, S. Ueda and M. Kondo 1391 Augmentative effects of tumor necrosis factor-alpha (human, natural type) on polymorphonuclear leukocyte-derived superoxide generation induced by various stimulants

Zhi-Qing Hu, M. Toda, S. Okubo, Y. Hara and T. Shimamura	1399	Mitogenic activity of (–)epigallocatechin gallate on B-cells and investigation of its structure–function relationship
A. Kashyap, K. Saha and V. N. Sehgal	1409	Reconstruction of anti-leprosy drug depleted complement haemolytic activity by addition of zymosan-treated sera (a source of C142) and C^{rat}EDTA (a source of C3–C9)
T. Shimizu, Y. Iwamoto, Y. Yanagihara, K. Ikeda and K. Achiwa	1415	Combined effects of synthetic lipid A analogs or bacterial lipopolysaccharide with glucosaminyl-muramyl dipeptide on antitumor activity against Meth A fibrosarcoma in mice
M. D. Sauro and J. W. Hadden	1421	Gamma-interferon corrects aberrant protein kinase C levels and immunosuppression in the spontaneously hypertensive rat
G. Guencheva, P. Popova, G. Davidkova, V. Mincheva, S. Mihailova, A. Bogdanov, E. Pacelli and A. Auteri	1429	Determination of cytokine release after *in vivo* and *in vitro* administration of Deodan (a preparation from *Lactobacillus bulgaricus* "LB51") by the rabbit pyrogen test
Short Communication		
A. Liepins and J. W. Nowicky	1437	Activation of spleen cell lytic activity by the alkaloid thiophosphoric acid derivative: Ukrain
Immunotoxicology		
Zhi-Ming Zheng, S. Specter and H. Friedman	1445	Inhibition by delta-9-tetrahydrocannabinol of tumor necrosis factor alpha production by mouse and human macrophages
Announcement	1453	
Volume Contents and Author Index	i	
An Invitation to Join the International Society for Immunopharmacology	xxv	
General Information and Instructions to Authors	xxvii	

AUTHOR INDEX

Abe, F. 731
Abel, G. 1363
Achiwa, K. 221, 1415
Ader, R. 323
Adibzadeh, M. 791
Adler, M. W. 93
Aerts, F. 1011
Akamatsu, S. 221
Akira, S. 431
Akiyoshi, T. 43, 535
Al-Tuwaijri, A. S. 83
Albeck, M. 613
Albert, D. 505
Albertoni, C. 1061
Aliaga, M. 847
Almawi, W. Y. 1175
Alvarez-Mon, M. 1307
Alzani, R. 637
Amery, W. K. P. 481
Andronova, T. M. 159
Anokhina, V. V. 1285
Antakly, A. J. 1329
Arcoleo, F. 1029
Ardail, D. 263
Arii, K. 75
Arinaga, S. 43, 535
Arrigoni Martelli, E. 1061
Ausiello, C. M. 831
Auteri, A. 1355, 1429
Azuma, I. 487

Bacman, S. 1321
Bacosi, A. 605
Bagaeva, L. V. 159
Bailey, J. M. 583
Banks, W. A. 629
Bansbach, C. C. 497
Barbacane, R. C. 987
Barbara, M. 847
Barbolt, T. A. 391
Barcellini, W. 1279
Bartocci, A. 655
Bauer, R. M. 27
Beck, J. P. 293
Bell, J. 93
Bell, R. L. 505
Bellinger, D. L. 329
Belokrylov, G. A. 1285
Benoist, H. 871
Bergeron, C. 525
Bernier, J. 747
Bevilacqua, P. 57
Bianchi, R. 915
Bigazzi, P. E. 1051
Binaglia, L. 655, 915
Bird, I. A. 1175
Bischoff, P. 293
Bistoni, F. 1165
Black, P. L. 1341
Blomgren, H. 185
Bloom, S. E. 19
Bogdanov, A. 1355, 1429
Bohuon, C. 377
Bona-Liptak, E. 131
Bongiorno, L. 643, 831, 995
Bongrazio, M. 987
Bonmassar, E. 1069
Borda, E. S. 1145, 1321
Borg, J. 293
Borghi, M. O. 1279
Botros, S. S. 151
Branch, B. J. 303
Bressani, N. 57
Bridges, E. F. de 541
Brohée, D. 1107
Brooks, D. W. 505
Bruserud, O. 783
Bruynseels, J. P. J. M. 481
Bullock, H. 253
Burkart, V. 1037
Bury, Th. 191

Calabresi, A. 1165
Camanni, F. 1235
Campanile, F. 655
Campbell, K. S. 111
Capetola, R. J. 1375
Carter, G. W. 505
Castle, S. C. 227
Catanzano-Troutaud, D. 263
Cesano, A. 1235
Chand, D. 979
Chandra, K. 1003
Chandra, S. 1003
Chang, M.-P. 227, 303, 707
Chateau, M.-T. 895
Chatterjee, N. 511
Chelmicka-Schorr, E. 841
Chen, G. 1125
Chi, D. S. 739
Chiappelli, F. 303
Chihara, G. 971
Chourmouzis, E. 1375
Choy, Y. M. 1315
Christensen, H. B. 1113
Christians, U. 595
Ciccarelli, E. 1235
Cillari, E. 1029
Ciomei, M. 637
Claesson, H.-E. 441
Cohen, N. 323
Conant, J. 1081
Conti, P. 987
Contrino, J. 1051
Cools, M. 1011
Cooper, E. L. 303

Corhay, J. L. 191
Cornacoff, J. B. 391
Corsini, E. 121
Coss, M. C. 1267
Coto, J. 1259
Coughlin, R. T. 573
Cozzi, E. 637
Craig, W. A. 121
Csanky, E. 131, 573
Czlonkowska, A. 841
Czop, J. K. 1363

D'Agostino, R. 1029
D'Incalci, M. 239
D'Onofrio, C. 1069
Daemen, T. 857
Daigneault, E. A. 739
Davidkova, G. 1355, 1429
De Jonge, N. 151
Dean, J. H. 391
Deelder, A. M. 151
Degiannis, D. 753
Del Papa, N. 1279
Delville, J. P. 761
Dempsey, R. A. 987
Dencker, L. 699
Denduchis, B. 1321
Deschaux, P.A. 263
Dhawan, S. 1187
Di Carlo, S. 605
Di Francesco, P. 1
Di Stefano, G. 865
Dieli, M. 1029
Dietert, R. R. 19
Dillehay, D. L. 195
Dogra, R. K. S. 1003
Dornand, J. 895
Dozmorov, I. M. 159
Dripps, D. J. 475
Duchow, J. 761

Eisenberg, S. P. 475
El Garem, A. A. 151
Elferink, J. G. R. 953
Elvers, B. 1101
Ensinger, C. 213
Erdos, M. R. 1267
Esdaile, J. M. 1329
Everson, M. P. 195

Fabris, N. 57, 865
Fain, C. 1279
Farrar, M. A. 413
Favalli, C. 1
Favini, P. 1279
Felten, D. L. 329
Felten, S. Y. 329
Fenton, M. J. 401
Fernandez-Luna, J. 413
Fertel, R. H. 515
Fioretti, M. C. 655, 915
FitzGerald, D. 465
Fitzpatrick, F. T. A. 541
Flipo, D. 747, 1203
Foresta, P. 1061
Fournié, E. L. 871
Fournié, G. J. 871
Fournier, A.-M. 895
Fournier, M. 747, 1203
Franzese, O. 1069
Frazier, D. E. Jr 27
Frendl, G. 421
Friccius, H. 791
Fridas, S. 987
Friedman, H. 1019, 1213, 1445
Fritzler, M. 35
Frobert, Y. 525
Fuchs, B. A. 111
Fujii, A. 731
Fujii, H. 731
Fukuba, Y. 1093
Fukuda, T. 1195
Fukushima, M. 105
Fung, K. P. 1315

Gabrilovac, J. 621
Gadina, M. 1045
Gallin, E. K. 173
Garaci, E. 1
Garg, S. 1187
Genaro, A. M. 1145
Ghezzi, P. 1045
Gilardi, E. 643
Gilbody, J. S. 167
Giner-Sorolla, A. 555, 1259
Girard, D. 747
Glaser, K. B. 497
Gobin, S. J. P. 687
Goettsch, W. 143
Goldman, M. 761
Goldstein, A. L. 1267
Golemboski, K. A. 19
Gong, L. 739
Good, R. A. 361, 1093
Gorelik, G. 1145, 1321
Gossett, K. A. 391
Goto, K. 1195
Grassi, J. 525
Grazioli, L. 637
Green, S. W. 173
Greenstein, B. D. 167, 541
Greenstein, J. I. 93
Grohmann, U. 915
Gromo, G. 1029
Grönvik, K.-O. 699
Grottoli, S. 1235
Guan-Jie Chen 1153
Guencheva, G. 1355, 1429
Gupta, S. 1003

Haberstok, H. 621
Hadden, E. M. 555, 1259
Hadden, J. W. 345, 555, 1259, 1421
Hajoui, O. 1203
Hall, N. R. S. 353
Hamann, W. 783
Hamed, R. R. 151
Han-Lin Gao 963
Hara, H. 809
Hara, Y. 1399

't Hart, B. A. 953
Hart, D. A. 35
Hartmann, D. 1341
Hasegawa, A. 933
Hashimoto, K. 821
Hashimoto, Y. 1181
Hassanein, H. I. 151
Hatori, Y. 143
Hendriksen, C. 1101
Hershey, G. K. 413
Hibbe, T. 1037
Higuet, N. 1107
Hirata, J. 105
Hisadome, M. 1195
Hojo, H. 1181
Hornung, N. 753
Hougen, H. P. 1113
Huang, D. S. 1153
Hunt, N. H. 925

Ikeda, K. 221, 1415
Ikehara, S. 1093
Imai, Y. 1181
In, S. 871
Inaba, M. 1093
Inoue, H. 535
Irinoda, K. 971
Isasi, C. 1307
Ishaque, A. 1081
Issekutz, A. C. 1383
Iwahashi, M. 75
Iwamoto, Y. 1415
Iwata, D. 773

Jakobsson, P.-J. 441
Jia, L. 809
Jiang, X. L. 195
Jie-Liu Tang 253
Johnson, A. G. 933
Jones, K. 1081
Juul, P. 1113

Kaneko, Y. 971
Kankova, M. 239, 1045
Kantwerk-Funke, G. 1037
Kapil, A. 1139
Karimine, N. 43, 535
Kasahara, T. 661
Kashyap, A. 269, 1409
Kastin, A. J. 629
Katiyar, J. C. 1003
Katori, T. 971
Katsutani, N. 673, 681
Kaul, A. 979
Kazimirsky, G. 613
Kerkvliet, N. I. 1295
Khajuria, A. 979
Khanna, S. 1003
Kikuchi, Y. 105
Kimsto, L. 1081
Kinoshita, A. 205
Kishimoto, T. 431
Kiso, M. 933
Kita, T. 105
Kivity, S. 275
Klein, T. W. 1019, 1213
Kolb, H. 1037
Kondo, M. 1391
Kondo, Y. 1181
Kostrzewa, R. M. 739
Kosuda, L. L. 1051
Kovats, E. 131, 573
Krause, G. 35
Kreitman, R. J. 465
Kreutzer, D. L. 1051
Krzystyniak, K. 747, 1203
Kuki, E. 105
Kumazawa, Y. 1249
Kuramoto, E. 773
Kuzin, I. I. 159
Kwasniewski, M. N. 841

Labarre, J.-F. 871
LaBrie, T. 391
Lamon, E. W. 195
Lancz, G. 253
Lanni, C. 505
Lanzilli, G. 1069
Lapeña, P. 1307
Lasarow, R. M. 767
Lau, C. Y. 1081, 1375
Lawrence, D. A. 1221
Le Lann, A. D. 871
Lebrec, H. 377
Legg, R. F. 687
Leoni, B. 1061
Lesnjakovic, L. 213
Leung, K. N. 1315
Lewis, A. J. 497
Liepins, A. 1437
Lopes, N. 1383
Lopez, M. C. 1153
Lorenz, E. 361
Lorton, D. 329
Louis, R. 191
Lundberg, K. 699
Luo, Y. D. 49
Lustig, L. 1321
Luu, B. 293

Mahmoud, F. S. 151
Mansour, S. 1203
Mantovani, A. 239, 1045
Marceau, F. 525
Marchant, A. 761
Marcucci, F. 637
Mariani, M. 637
Marini, M. 643, 831, 995
Marini, S. 1
Marotti, T. 621
Martin, L. 35
Martínez, R. 1307
Marucha, P. 1051
Masek, K. 317
Masihi, K. N. 971
Masuda, A. 821
Matera, L. 1235
Matsui, K. 1213
McHugh, S. 1019
Medzihradsky, J. L. 801

Menzies, R. A. 353
Meroni, P. L. 1279
Merritt, W. D. 583
Messina, J. P. 1221
Mihailova, S. 1429
Milano, S. 1029
Mincheva, V. 1355, 1429
Mishal, Z. 377
Miura, S.-I. 1249
Miyazaki, H. 11
Miyazaki, J.-I. 451
Miyazaki, T. 451
Miyazaki, W. 1093
Mocchegiani, E. 57
Mohamed, S. H. 151
Mohrman, M. 933
Molchanova, I. V. 1285
Molnar-Kimber, K. L. 497
Moltó, L. 1307
Monell, C. 555
Montgomery, D. W. 63
Moosbrugger, I. 293
Morikawa, K. 941
Morikawa, S. 941
Morselt, H. 857
Moza, N. 1139
Muccioli, G. 1235
Mukherjee, A. 721
Mullen, P. W. 1133
Müller-Peddinghaus, R. 565
Munson, A. E. 111
Mustafa, A. A. 83
Muzzioli, M. 57

Nagamatsu, M. 43, 535
Nagata, I. 105
Naito, Y. 1391
Nakano, Y. 1019
Nanbara, S. 43, 535
Naor, D. 1241
Naylor, C. W. 1267
Naylor, P. H. 1267
Negoro, S. 809
Nelson, R. 555
Nemoto, K. 731
Neumann, C. M. 1295
Newton, C. A. 1019
Nibbering, P. H. 953
Nishino, T. 1093
Noguchi, K. 75
Nomoto, K. 11, 1195, 1249
Norman, D. C. 227, 303, 707
Nowicky, J. W. 1437
Nowotny, A. 131, 573
Nowotny, A. M. 131
Nozoe, S. 1181

O'Grady, M. P. 353
Oates, K. K. 1267
Oberholtzer, E. 1235
Odean, M. J. 933
Odlander, B. 441
Oe, T. 1195
Oguchi, K. 661
Ohno, N. 821
Ohtsuka, Y. 221
Oikawa, S. 821
Okochi, T. 809
Oksman, F. 871
Okubo, S. 1399
Olsen, R. G. 27
Om Singh 511
Ongradi, J. 555
Osaki, T. 877
Osdol, W. van 457
Oseko, F. 941
Osterland, C. K. 1329
Ou, D. W. 49
Oughton, J. A. 1295
Oyamada, H. 1391

Pacelli, E. 1355, 1429
Pacello, L. 1061
Pacifici, R. 605
Paine, A. J. 687
Pal, R. 511
Pallardy, M. 377
Panara, M. R. 987
Pang, P. K. T. 1315
Pape, H. 565
Pastan, I. 465
Patchen, M. L. 173
Patel, M. K. 49
Patel, S. 783
Paul, B. N. 887
Pawelec, G. 783, 791
Peci, E. 1069
Pennington, R. 1341
Perego, R. 1029
Perito, S. 1165
Petrov, R. V. 159
Petrovicky, P. 317
Phillips, H. 1341
Pica, F. 1
Pichini, S. 605
Pirozhkov, S. 1125
Placido, F. C. 987
Pohla, H. 791
Pope, B. L. 1375
Popova, O. Ya. 1285
Popova, P. 1355, 1429
Poubelle, P. E. 525
Pross, S. H. 1019
Provinciali, M. 857
Puccetti, P. 655, 915
Puglianiello, A. 1069

Qian Li 515
Queiroz, M. L. S. 1133

Rabesandratana, H. 895
Radeke, H. H. 595
Radermecker, M. 191
Raska, K. Jr 753
Raskova, J. 753
Ray, P. K. 887
Reale, M. 987
Regts, J. 857
Resch, K. 595
Restivo, A. 637

Reyk, D. M. van 925
Richardson, J. 281
Rieder, M. J. 1175
Riganti, F. 239, 1045
Rocic, B. 621
Roda, L. G. 643, 831, 995
Romani, L. 915, 1165
Rosenthal, G. J. 121
Rozing, J. 369
Rubin, P. 505
Ruggiero, V. 1061
Rygaard, J. 1113

Saha, A. R. 1259
Saha, K. 269, 721, 1409
Sahu, A. 269, 721
Saigo, S. 1093
Sakurai, T. 205, 821
Sakurai, Y. 661
Sapozhnikov, A. M. 159
Sarel, S. 925
Sauro, M. D. 1421
Saxena, A. K. 887
Schandene, L. 761
Scheiber, V. 213
Schenk, A. 791
Scherphof, G. L. 857
Schneider, M. 1341
Schreiber, R. D. 413
Schuurman, H.-J. 369, 1101
Schwab, E. 1037
Scuderi, P. 1125
Sehgal, V. N. 269, 721, 1409
Seifert, J. 317
Selezneva, T. N. 667
Semmes, O. J. 583
Serre, A. 895
Sewing, K.-F. 595
Shaker, Z. A. 151
Shalit, F. 613
Shanker, R. 1003
Sharma, M. L. 979
Sharma, R. P. 143
Sharon, R. 1241
Shen, G. K. 63
Shi, X. M. 131, 573
Shimada, S. 773
Shimamura, T. 1399
Shimizu, T. 221, 1415
Shionoya, H. 673, 681
Shu-Sheng Xie 963
Shukla, L. J. 1003
Si-Xun Yang 963
Siegels-Hübenthal, P. 791
Sigindere, J. 1375
Simic, M. M. 903
Sironi, M. 239, 1045
Sisson, E. 1175
Soler-Rodriguez, A. M. 281
Somlyo, B. 131, 573
Sorochinskaya, E. I. 1285
Sosa, M. 555, 1259
Specter, S. 253, 555, 1445
Spreafico, F. 239
Sprecher, H. 515
Sredni, B. 613
Srivastava, S. N. 1003
St Louis, E. A. 1329
Stanley, E. R. 655
Sterin-Borda, L. 1145, 1321
Stosic-Grujicic, S. 903
Strand, M. 555
Struhar, D. 275
Sturm, R. J. 497
Summers, J. B. 505
Suzuki, I. 205, 821
Svendsen, O. 1113
Svirshchevskaya, E. V. 159
Sztein, M. S. 583

Taga, T. 431
Takada, T. 731
Takahata, H. 1195
Takamuku, K. 43, 535
Takano, H. 1391
Takeda, Y. 11
Takeo, S. 11
Takeuchi, T. 731
Takimoto, H. 1249
Talmadge, J. E. 383, 731, 1341
Talwar, G. P. 511, 1187
Tamai, M. 75
Tanaka, M. 11
Tani, M. 75
Tanimura, H. 75
Tarayre, J. P. 841
Tarr, M. J. 27
Taylor, A. N. 303
Terasawa, M. 1195
Ternovoi, K. S. 667
Theis, J. H. 767
Theisen-Popp, P. 565
Thompson, R. C. 475
Thygesen, P. 1113
Tilden, A. B. 195
Tisne-Versailles, J. 847
Tisseyre, N. 847
Toda, M. 1399
Toki, J. 1093
Tokunaga, T. 773
Topilsky, M. 275
Travers, J. B. 515
Tribble, H. R. 1341
Tripodi, D. 131
Tsunoda, T. 75
Tsuru, S. 1195

Ueda, S. 1391
Ueo, H. 43, 535
Ueta, E. 877
Uhr, J. W. 281
Uno, M. 451
Upadhyay, S. N. 1187
Urbani, A. 643, 831, 995

Van Dijk, A. 1101
Van Loveren, H. 369, 1101
Van Wauwe, J. 1011
Vaquero, J. 1307
Vecchi, A. 239

Vieu, S. 847
Vitetta, E. S. 281
Vormittag, W. 213
Vos, J. G. 369

Waal, E. J. de 1101
Wang, E. 1081
Wang, Y. 1259
Watanabe, N. 773
Watson, R. R. 1125, 1153
Watzl, B. 1125
Weinstein, J. N. 457
Wen Ren Zhang 963
Wheeler, M. J. 167
Widen, R. 1019
Wiederhold, M. D. 49
Williams, D. L. 767
Wilson, J. G. 801
Wolstencroft, R. 167
Wong, B. 1081
Wong, C. K. 1315
Wong, C. M. K. 303
Wu, Y. 661

Yadomae, T. 205, 821
Yamada, A. 1249
Yamamoto, T. 877
Yamamura, K.-I. 451
Yamaue, H. 75
Yanagihara, Y. 221, 1415
Yano, O. 773
Yermecova, V. M. 667
Yoneda, K. 877
Yoshikai, Y. 11, 1249
Yoshikawa, T. 1391
Young, P. R. 505
Yuejian Wang 1153

Zandalasini, M. 1045
Zhang, Y. L. 131, 573
Zhen-Zhou Long 963
Zhi-Ming Zheng 1445
Zhi-Qing Hu 1399
Zielasek, J. 1037
Zuccaro, P. 605
Zukoski, C. F. 63

Printed and bound in Great Britain by BPCC-AUP Aberdeen Ltd.